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The Society of the
Plastics Industry, Inc.



Monthly Statistical Report-Resins

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Washington, D.C. 20005
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FOR THE MONTH AND PERIOD ENDED

APRIL 30, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

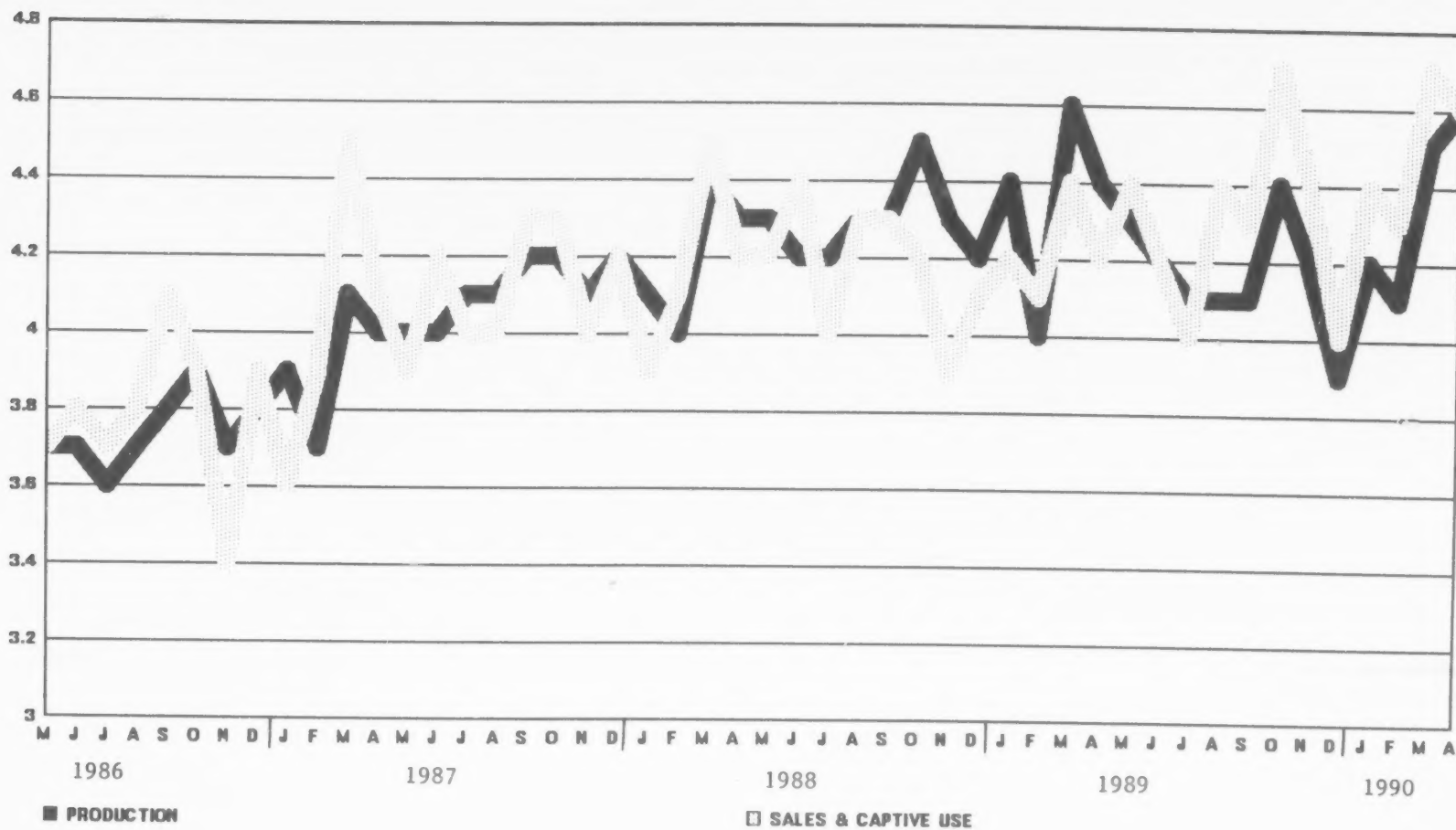
Release Date: June 14, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

APRIL 1990



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Thousands of pounds, dry weight basis)(1)

CRS

APRIL 1990

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	39,875	41,804	-4.6	153,478	166,090	-7.6	42,443	43,588	-2.6	169,379 R	176,808	-4.2
POLYESTER (UNSATURATED) RESINS, TOTAL	111,583	117,793	-5.3	425,610	457,840	-7.0	109,542	118,845	-7.8	430,184	458,755	-6.2
UREA RESINS, TOTAL	131,956	122,126	8.0	504,299 R	461,718	9.2	137,511	123,774	11.1	524,008 R	484,818	12.7
MELAMINE RESINS, TOTAL	13,631	17,594	-22.5	54,490 R	72,346	-24.7	18,020	18,505	-2.6	63,745 R	76,432	-16.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	272,443	268,982	1.3	1,013,126 R	979,382	3.4	272,457	269,388	1.1	1,018,467 R	992,960	2.6
THERMOSETTING RESINS, TOTAL	569,488	568,299	0.2	2,151,003 R	2,137,376	0.6	579,973	574,096	1.0	2,205,783 R	2,169,773	1.7
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	580,731	533,576	8.8	2,347,256	2,218,154	5.8	635,014	564,933	12.4	2,392,046	2,348,520	1.9
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	394,382	276,668	42.5	1,511,572	1,169,326	29.3	308,578	254,542	21.2	1,191,702	1,064,485	12.0
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	700,061	665,729	5.2	2,693,941	2,592,174	3.9	697,194	687,036	1.5	2,608,068	2,682,197	-2.8
POLYPROPYLENE, TOTAL	667,894	623,345	7.1	2,744,277 R	2,465,435	11.3	695,413	673,377	3.3	2,748,359 R	2,490,760	10.3
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	109,877	116,519	-5.7	399,629	455,459	-12.3	110,613	127,424	-13.2	373,178	484,516	-23.0
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	11,333	10,813	4.8	40,831	37,068	10.2	10,786	10,121	6.6	41,448	40,566	2.2
POLYSTYRENE RESINS, TOTAL	411,892	422,005	-2.4	1,749,677	1,740,017	0.6	414,862	439,526	-5.6	1,646,701	1,713,967	-3.9
STYRENE BASED LATEXES, TOTAL ***	93,149	83,996	10.9	360,452 R	340,943	5.7	89,112	87,249	2.1	344,903 R	330,085	4.5
OTHER STYRENICS, TOTAL (40% or More Styrene)	13,494	13,279	1.6	52,889	54,912	-3.7	12,667	12,265	3.3	49,072	52,732	-6.9
NYLON RESINS (6)	47,023	49,945	-5.9	183,083 R	204,908	-10.7	47,018	53,395	-11.9	183,856	197,901	-7.1
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	787,756	679,343	16.0	3,086,895	2,800,104	10.2	774,614	715,236	8.3	3,011,241 R	2,890,113	4.2
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	14,583	15,163	-3.8	65,129	68,295	-4.6	16,963	16,975	-0.1	78,046	74,056	5.4
THERMOPLASTIC POLYESTER, TOTAL (6)	159,980	141,869	12.8	608,348	549,859	10.6	167,856	153,020	9.7	604,569	556,081	8.7
THERMOPLASTIC RESINS, TOTAL	3,992,155	3,832,250	9.9	15,843,979 R	14,666,654	7.8	3,980,660	3,795,099	4.9	15,273,189 R	14,925,979	2.3
GRAND TOTAL	4,581,643	4,200,549	8.6	17,994,982 R	16,834,030	6.9	4,560,663	4,369,195	4.4	17,478,972 R	17,095,752	2.2

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinyliden

(6) = Data Includes Sales from Imports.

R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)
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SECTION I - THERMOSETTING RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	39,875	41,804	-4.6	153,478	166,090	-7.6	42,443	43,586	-2.6	169,379 R	176,808	-4.2
Exports, Total	7,098	8,374	-15.2	25,446	30,310	-16.0						
Captive Use, Total	1,291	1,208	6.9	5,878	4,804	22.4						
Domestic Sales, Total	31,486	32,222	-2.3	122,154	130,976	-6.7						
Domestic Sales & Captive Use, Total	32,777	33,430	-2.0	128,032	135,780	-5.7						
Bonding & Adhesives	2,331	2,099	11.1	8,923	8,925	0.0						
Flooring, Paving & Exposed Aggregate	2,175	1,990	9.3	8,656	7,794	11.1						
Protective Coatings	16,428	16,359	0.4	61,447	66,304	-7.3						
Fiber Reinforced Laminates & Composites	6,612	7,318	-9.6	28,173	29,931	-5.9						
FRL&C for Printed Wiring Board	4,327	5,219	-17.1	18,922	21,202	-10.8						
All Other FRL&C	2,285	2,099	8.9	9,251	8,729	6.0						
Tooling, Casting & Molded Resins	2,519	2,372	6.2	8,575	10,300	-16.7						
All Other Uses	2,712	3,292	-17.6	12,258	12,526	-2.1						
POLYESTER (UNSATURATED) RESINS, TOTAL	111,583	117,793	-5.3	425,610	457,840	-7.0	109,542	118,845	-7.8	430,184	458,755	-6.2
Total Exports	2,220	1,362	63.0	7,443	7,214	3.2						
Total Domestic	109,363	116,431	-6.1	418,167	450,626	-7.2						
General Purpose Resins, Total	95,341	101,630	-6.2	362,658	389,639	-6.9						
General Purpose - Thixotropic	38,153	45,670	-16.5	142,872	175,028	-18.4						
General Purpose - Press Molding	12,615	10,811	16.7	48,628	42,730	13.8						
General Purpose - Panel	7,854	N/A		29,155	N/A							
General Purpose - All Other	36,719	45,122	-18.6	142,003	171,881	-17.4						
Flame Retardant Resins	1,885	2,103	-10.4	7,783	7,921	-1.7						
Chemical Resistant Resins, Total	12,137	12,725	-4.6	47,726	53,066	-10.1						
Chemical Resistant Isophthalic Resins	8,728	9,765	-10.6	34,797	41,100	-15.3						
All Other Chemical Resistant Resins	3,409	2,960	15.2	12,929	11,966	8.0						
Reinforced Plastics, Total	80,343	88,780	-9.5	308,083	343,064	-10.2						
Non-Reinforced Plastics, Total	29,020	27,651	5.0	110,084	107,562	2.3						

R = Revision

N/A = Not Available

SECTION I - THERMOSETTING RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL	131,956	122,126	8.0	504,299 R	461,718	9.2	137,511	123,774	11.1	524,008 R	464,818	12.7
MELAMINE RESINS, TOTAL	13,631	17,594	-22.5	54,490 R	72,346	-24.7	18,020	18,505	-2.6	63,745 R	76,432	-16.6
UREA & MELAMINE RESINS, TOTAL	145,587	139,720	4.2	558,789 R	534,064	4.6	155,531	142,279	9.3	587,753 R	541,250	8.6
Total Exports	D1	D1		D1	D1							
Total Domestic	145,587	139,720	4.2	558,789 R	534,064	4.6						
Textile Coating & Treating Resins	2,071	2,182	-5.1	8,545 R	8,206	4.1	5,918	2,326	154.4	17,045 R	9,932	71.6
Paper Coating & Treating Resins	5,191	3,849	34.9	18,493	17,284	7.0	5,394	3,898	38.4	18,981	18,465	2.8
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	114,911	114,650	0.2	443,247 R	434,575	2.0	119,756	115,387	3.8	462,123 R	432,551	6.8
Laminating	1,470	4,255	-65.5	8,076	28,179	-71.3	1,605	3,697	-56.6	8,359	23,293	-64.1
Plywood	5,485	10,179	-46.1	18,949	24,980	-24.1	5,670	10,111	-43.9	19,248	25,544	-24.6
Fibrous & Granulated Wood (Particle Board)	107,956	100,216	7.7	416,222 R	381,416	9.1	112,481	101,579	10.7	434,516 R	383,714	13.2
Protective Coatings (Straight & Modified)	8,207	8,885	-7.6	31,237	38,519	-18.9	12,534	11,640	7.7	41,543	48,308	-14.0
All Other Uses	15,207	10,154	49.8	57,267 R	35,480	61.4	11,929	9,028	32.1	48,061 R	31,994	50.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	272,443	268,982	1.3	1,013,126 R	979,382	3.4	272,457	269,386	1.1	1,018,467 R	992,960	2.6
Total Exports	2,649	2,028	30.6	7,987	6,075	31.5						
Total Domestic	269,794	266,954	1.1	1,005,139 R	973,307	3.3						
Molding Compounds	15,448	16,773	-7.9	57,429	62,618	-8.3	18,432	16,082	14.6	66,144	67,948	-2.7
Bonding & Adhesive Resins for:	250,955	246,880	1.7	934,952 R	895,487	4.4	251,002	248,414	1.0	939,395 R	907,820	3.5
Laminating	16,674	22,198	-24.9	59,948	71,593	-16.3	16,439	22,195	-25.9	60,188	74,734	-19.5
Coated & Bonded Abrasives	2,710	2,604	4.1	9,607 R	9,441	1.8	2,530	2,609	-3.0	9,371 R	10,602	-11.6
Friction Materials	4,281	3,512	21.9	15,593 R	13,643	14.3	3,776	3,358	12.4	15,883 R	13,925	14.1
Insulation Materials	36,205	39,271	-7.8	137,644 R	142,693	-3.5	37,672	39,619	-4.9	142,607 R	146,694	-2.8
Foundry & Shell Molding	6,819	5,182	31.6	25,839	15,243	69.5	6,613	5,097	29.7	25,261	15,800	59.9
Plywood	D3	134,616		D3	503,414		D3	135,657		D3	504,179	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	1,834		D3	4,668		D3	1,944		D3	5,106	
All Other	184,266	37,663	N/C	686,321 R	134,792	N/C	183,972	37,935	N/C	686,085 R	136,780	N/C
Protective Coatings - Unmodified & Modified	D2	985		D2	4,705		D2	966		D2	4,238	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	3,391	2,316	N/C	12,758	10,497	N/C	3,023	3,924	N/C	12,928	12,954	N/C

D1 = Disclosure: Included in Domestic, Total and All Other Uses.

D2 = Disclosure: Included in All Other Uses.

D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.

N/C = Not Comparable.

R = Revision.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	580,731	533,576	8.8	2,347,256	2,218,154	5.8	644,799	574,872	12.2	2,443,932	2,380,333	2.7
Imports, Total							9,785	9,939	-1.5	51,886	31,813	63.1
Exports, Total	59,561	86,813	-31.4	268,845	306,945	-12.4						
Domestic, Total	521,170	446,763	16.7	2,078,411	1,911,209	8.7	635,014	564,933	12.4	2,392,046	2,348,520	1.9
Film (12 Mils & Below)	306,371	255,954	19.7	1,221,958	1,090,192	12.1						
Packaging Film	205,738	178,087	15.5	833,255	741,233	12.4						
Food Packaging Film	94,407	86,835	8.7	409,267	353,076	15.9						
Non-Food Packaging Film	88,203	71,870	22.7	331,101	312,428	6.0						
Shrink Film	12,106	D10		49,413	D10							
Stretch Film	11,022	19,382	N/C	43,474	75,729	N/C						
Non-Packaging Film	100,633	77,867	29.2	388,703	348,959	11.4						
Carry-Out Bags	11,129	10,020	11.1	33,951	41,194	-17.6						
Trash and Can Liners	33,270	30,266	9.9	120,057	127,351	-5.7						
Other Non-Packaging Film	56,234	37,581	49.6	234,695	180,414	30.1						
Sheet (Over 12 Mils)	7,371	7,124	3.5	23,319	32,553	-28.4						
Injection Molding	29,094	32,644	-10.9	124,232	133,538	-7.0						
Injection Molded Lids	6,475	2,666	142.9	26,600	15,365	73.1						
Injection Molded Housewares	3,599	3,295	9.2	16,373	15,284	7.1						
Other Injection Molding	19,020	26,683	-28.7	81,259	102,889	-21.0						
Wire and Cable	D5	D5		D5	D5							
Extrusion Coating	66,899	D5		255,671	D5							
Blow Molding	5,066	4,810	5.3	19,852	20,484	-3.1						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	32,182	80,693	N/C	119,469	348,018	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	45,827	45,149	1.5	181,396	153,104	18.5						
Resellers	32,885	34,648	-5.1	127,908	115,809	10.4						
Compounders	12,942	10,501	23.2	53,488	37,295	43.4						
Adhesives and Sealants	9,342	D2		37,728	D2							
All Other Uses	19,018	20,389	N/C	95,236	133,320	N/C						

D2 = Disclosure: Included in All Other Uses.

D10 = Disclosure: Included in Stretch Film.

D = Disclosure

D5 = Disclosure: Included in Other Extruded Products.

(6) = Sales Include Imports.

N/C = Not Comparable

SECTION II - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	394,382	276,668	42.5	1,511,572	1,169,326	29.3	377,004	303,594	24.2	1,467,576	1,288,537	13.9
Imports, Total							68,426	49,052	39.5	275,874	224,052	23.1
Exports, Total	17,224	11,289	52.6	73,038	42,669	71.2						
Domestic, Total	377,158	265,379	42.1	1,438,534	1,126,657	27.7	308,578	254,542	21.2	1,191,702	1,064,485	12.0
Film (12 Mils & Below)	252,273	169,085	49.2	948,065	720,387	31.6						
Packaging Film	103,040	81,930	25.8	416,387	338,334	23.1						
Food Packaging Film	17,041	16,380	4.0	75,583	62,322	21.3						
Non-Food Packaging Film	58,807	44,563	32.0	227,493	187,778	21.1						
Shrink Film	D10	D10		D10	D10							
Stretch Film	27,192	20,987	29.6	113,311	88,234	28.4						
Non-Packaging Film	149,233	87,155	71.2	531,678	382,053	39.2						
Carry-Out Bags	20,161	14,596	38.1	82,498	65,746	25.5						
Trash and Can Liners	98,986	64,187	54.2	349,480	251,197	39.1						
Other Non-Packaging Film	30,086	8,372	259.4	99,700	65,110	53.1						
Sheet (Over 12 Mils)	734	1,301	-43.6	5,208	9,005	-42.2						
Injection Molding	42,730	29,549	44.6	158,996	128,816	23.4						
Injection Molded Lids	14,974	13,899	7.7	60,578	56,012	8.2						
Injection Molded Housewares	18,432	11,284	63.3	62,370	46,015	35.5						
Other Injection Molding	9,324	4,366	113.6	36,048	26,789	34.6						
Wire and Cable	D5	D5		D5	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	3,051	1,084	181.5	11,186	5,016	123.0						
Pipe and Conduit, Total	6,540	D5		21,351	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	15,744	19,740	N/C	62,228	81,738	N/C						
Rotomolding	27,344	D2		108,218	D2							
Resellers & Compounders, Total	16,600	19,298	-14.0	81,211	66,344	22.4						
Resellers	6,333	14,153	-55.3	44,083	47,409	-7.0						
Compounders	10,267	5,145	99.6	37,128	18,935	96.1						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	12,142	25,322	N/C	42,071	115,351	N/C						

D2 = Disclosure: Included in All Other Uses.

D5 = Disclosure: Included in Other Extruded Products.

D10 = Disclosure: Shrink Film is Included in Stretch Film.

D10 = Disclosure: Included in Stretch Film.

(6) = Sales Include Imports.

D = Disclosure

N/C = Not Comparable

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SECTION II - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE - ABOVE 0.940. TOTAL	700,061	665,729	5.2	2,693,941	2,592,174	3.9	697,194	687,036	1.5	2,608,068	2,682,197	-2.8
Exports, Total	52,347	71,317	-26.6	220,894	263,969	-16.3						
Domestic, Total	647,714	594,412	9.0	2,473,047	2,328,205	6.2						
Film (12 Mils & Below)	85,015	68,414	24.3	292,015 R	254,996	14.5						
Packaging Film	22,894	15,398	48.7	85,359	60,864	40.2						
Food Packaging Film	16,058	9,816	63.6	56,541	40,284	40.4						
Non-Food Packaging Film	6,836	5,582	22.5	28,818	20,580	40.0						
Non-Packaging Film	62,121	53,016	17.2	206,656 R	194,132	6.5						
Retail Bags	46,304	28,003 F	N/C	157,877 R	97,102	N/C						
Grocery Sacks & T-Shirt Bags	25,001	N/A		81,696	N/A							
All Other Retail Bags	6,824	N/A		22,044 R	N/A							
Trash Bags/Can Liners	14,479	D9		54,137 R	D9							
All Other Non-Packaging Film	15,817	25,013	N/C	48,779	97,030	N/C						
Sheet (Over 12 Mils)	33,847	27,647	22.4	132,489	104,446	26.8						
Injection Molding, Total	124,658	115,790	7.7	484,213	460,539	5.1						
Pails (5 gallons or less)	35,115	34,099	3.0	135,669	141,166	-3.9						
Housewares	7,425	8,269	-10.2	33,351	33,690	-1.0						
Food Tubes/Containers & Drink Cups	26,346	18,689	41.0	102,028	76,727	29.6						
Crates and Totes	14,118	14,699	-4.0	55,796	54,782	1.9						
Toys/Novelties/Sporting Goods	6,971	N/A		21,723	N/A							
Caps and Closures	8,088	N/A		44,456	N/A							
All Other Injection Molding	26,595	40,034	N/C	91,190	152,174	N/C						
Wire and Cable	15,151	11,710	29.4	58,053	49,945	16.2						
Blow Molding, Total	225,015	235,063	-4.3	944,598	947,713	-0.3						
Motor Oil Bottles	17,245	15,592	10.6	75,406	56,543	33.4						
Liquid Food Bottles	74,223	72,914	1.8	315,685	295,336	6.9						
Household Chemical Bottles	68,546	72,270	-5.2	290,250	289,703	0.2						
Industrial Drums	11,400	20,995 G	N/C	44,757	87,209	N/C						
Gas Tanks, All Uses	2,651	N/A		10,171	N/A							
Pharm., Cosmetics, & Toiletries	19,913	N/A		77,250	N/A							
All Other Blow Molding	31,037	53,292	N/C	131,077	218,922	N/C						
Pipe and Conduit, Total	50,866	41,114	23.7	163,263	150,927	8.2						
Corrugated	9,472	9,107	4.0	32,585	26,001	25.3						
Non-Corrugated	41,394	32,007	29.3	130,678	124,926	4.6						
Gas Distribution	15,342	N/A		47,631	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	26,052	N/A		83,047	N/A							
Other Extruded Products	6,445	3,907	65.0	27,106	24,400	11.1						
Rotomolding	6,853	5,974	14.7	23,513	23,264	1.1						
Reseller & Compounders, Total	71,550	59,955	19.3	250,180	213,216	17.3						
Resellers	67,133	53,210	26.2	234,322	191,864	22.1						
Compounders	4,417	6,745	-34.5	15,858	21,352	-25.7						
All Other HDPE	28,314	24,838	14.0	97,615 R	98,759	-1.2						

D9 = Disclosure: Included in Other Non-Packaging Film.

D11 = Disclosure: Included in All Other Non-Corrugated Pipe.

N/C = Not Comparable.

N/A = Not Available

R = Revision

F = Reported as Carry Out Bags in 1989.

G = Reported as Large Containers in 1989.

SECTION II - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	667,894	623,345	7.1	2,744,277 R	2,465,435	11.3	695,413	673,377	3.3	2,748,359 R	2,490,760	10.3
Exports, Total	117,376	121,048	-3.0	522,681 R	423,974	23.3						
Domestic, Total	550,518	502,297	9.6	2,221,596 R	2,041,461	8.8						
Injection Molding, Total	167,874	158,145	6.2	664,147 R	608,432	9.2						
Appliances	14,866	15,256	-2.6	62,277	54,862	13.5						
Consumer Products	57,069	48,538	17.6	217,690	182,034	19.6						
Rigid Packaging	55,759	51,631	8.0	225,236 R	202,287	11.3						
Transportation	24,063	21,651	11.1	96,723 R	97,442	-0.7						
All Other Injection Molding	16,117	21,069	-23.5	62,221	71,807	-13.3						
Blow Molding	11,970	9,076	31.9	49,109	42,215	16.3						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	48,501	49,411	-1.8	195,825	200,921	-2.5						
Oriented Film	38,021	41,098	-7.5	156,037	154,271	1.1						
Non-Oriented Film	10,480	8,313	26.1	39,788	46,650	-14.7						
Sheet (Over 10 Mils), Total	12,190	11,821	3.1	44,069	49,227	-10.5						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	983	D5		7,257 R	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	181,200	157,019	15.4	709,707 R	650,489	9.1						
Textile Applications	168,338	147,873	13.8	664,591 R	616,793	7.7						
Nonwovens	53,492	36,347	47.2	204,849	157,135	30.4						
Monofilament & Multifilament Fibers	59,966	68,688	-12.7	231,552 R	288,675	-19.8						
Slit Film Fibers	54,880	42,838	28.1	228,190	170,983	33.5						
Non-Textile Monofilaments	12,862	9,146	40.6	45,116	33,696	33.9						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	10,200	10,507	N/C	39,347	32,985	N/C						
Resellers/Distributors/Compounders, Total	109,846	101,931	7.8	484,951 R	436,567	11.1						
Resellers	36,879	68,713 C	N/C	181,686	293,720	N/C						
Distributors	26,334	N/A		130,617 R	N/A							
Compounders	46,633	33,218	40.4	172,648	142,847	20.9						
All Other Uses	7,754	4,387	76.7	27,184	20,625	31.8						

D5 = Disclosure: Included in Other Extruded Products.

D = Disclosure

C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable

N/A = Not Available

R = Revision

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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SECTION II - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL	411,892	422,005	-2.4	1,749,677	1,740,017	0.6	414,862	439,526	-5.6	1,646,701	1,713,967	-3.9
Crystal (Solid) Polystyrene	222,977	222,558 A	N/C	940,997	940,578 A	N/C	157,197	252,461 A	N/C	640,445	963,307 A	N/C
Rubber Modified Polystyrene	188,915	199,447	-5.3	808,680	804,861	0.5	191,057	187,065	2.1	757,849	750,660	1.0
Expandable Polystyrene	D13			D13			66,608	N/A		248,407	N/A	
Exports, Total	11,108	14,160	-21.6	58,623 R	76,881	-23.7						
Crystal (Solid) Polystyrene	6,621	7,677 A	N/C	32,454 R	33,845 A	N/C						
Rubber Modified Polystyrene	4,487	6,483	-30.8	26,169 R	36,253	-27.8						
Expandable Polystyrene	D13			D13								
Domestic, Total	400,784	407,845	-1.7	1,691,054 R	1,663,336	1.7						
Molding	154,401	170,957	-9.7	650,647 R	677,786	-4.0						
Extrusion	177,834	175,990	1.0	753,660 R	694,958	8.4						
Expandable Polystyrene	57,063	50,940	12.0	231,043 R	225,484	2.5						
Block	21,050	15,422	36.5	86,132 R	84,339	2.1						
Shape	12,648	9,962	27.0	51,279 R	50,725	1.1						
Loose Fill	D6	D6		D6	D6							
Other EPS	23,365	25,556	-8.6	93,632 R	90,420	3.6						
All Other Uses	11,486	9,958	15.3	55,704	65,108	-14.4						
Polystyrene End-Uses, Total	400,784	407,845	-1.7	1,691,054 R	1,663,336	1.7						
Packaging & One Time Use	152,165	166,763 B	-8.8	647,835 R	618,150 B	4.8						
Consumer & Institutional Products	43,368	57,931	-25.1	182,647 R	254,016	-28.1						
Electrical/Electronics	58,938	52,120	13.1	239,051 R	217,833	9.7						
Furniture, Furnishings, Bldg. & Construction	26,524	24,665	7.5	117,092 R	100,311	16.7						
Expandable Polystyrene	57,063	50,940	12.0	231,043 R	225,484	2.5						
Resellers and Compounders	43,401	47,899	-9.4	194,622 R	169,192	15.0						
All Other End-Uses	19,325	7,527	156.7	78,764 R	78,350	0.5						

D6 = Disclosure: Included in Other EPS

D13 = Included in Crystal(Solid) Polystyrene

A = Reported as Straight Polystyrene in 1989.

B = Consists of Packaging & Disposable Food Service ware lines reported in 1989.

N/C = Not Comparable

D = Disclosure

N/A = Not Available

SECTION II - THERMOPLASTIC RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

CRS

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	109,877	116,519	-5.7	399,629	455,459	-12.3	110,613	127,424	-13.2	373,178	484,516	-23.0
SAN (STYRENE-ACRYLONITRILE), TOTAL	11,333	10,813	4.8	40,831	37,068	10.2	10,786	10,121	6.6	41,448	40,566	2.2
Total Exports	3,845	4,448	-13.6	11,198	12,496	-10.4						
Total Domestic	7,488	6,365	17.6	29,633	24,572	20.6						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	13,494	13,279	1.6	52,889	54,912	-3.7	12,667	12,265	3.3	49,072	52,732	-6.9
ABS, SAN, & OTHER STYRENICS, TOTAL	134,704	140,611	-4.2	493,349	547,439	-9.9	134,066	149,810	-10.5	463,698	577,814	-19.7
Total Exports	N.R. 1	N.R. 1		N.R. 1	N.R. 1							
Total Domestic	134,704	140,611	-4.2	493,349	547,439	-9.9						
Electrical/Electronics	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
Building & Construction	13,397	14,655	-8.6	50,069	58,073	-13.8						
Transportation	37,130	38,436	-3.4	128,678	150,948	-14.8						
Consumer & Institutional	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
All Other Uses	84,177	87,520	-3.8	314,602	338,418	-7.0						
STYRENE BASED LATEXES, TOTAL *	93,149	83,996	10.9	360,452 R	340,943	5.7	89,112	87,249	2.1	344,903 R	330,085	4.5
Carpet Backing	33,376	31,948	4.5	123,953	124,637	-0.5						
All Other Uses	59,773	52,048 J	14.8	236,499 R	216,306 J	9.3						
NYLON RESINS, TOTAL (6)	47,023	49,945	-5.9	183,083 R	204,908	-10.7	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	4,587	6,120	-25.0	20,677	25,073	-17.5						
Domestic, Total	42,436	43,825	-3.2	162,406 R	179,835	-9.7	47,018	53,395	-11.9	183,856	197,901	-7.1
Injection Molding Grade	25,178	26,482	-4.9	95,100 R	108,032	-12.0						
Extrusion Grade	13,070	12,499	4.6	51,584 R	51,360	0.4						
Resellers & Compounders	3,543	3,225	9.9	13,166	14,319	-8.1						
All Other Uses	645	1,619	-60.2	2,556	6,124	-58.3						
Nylon End-Uses, Total	42,436	43,825	-3.2	162,406 R	179,835	-9.7						
Automotive and Truck	14,641	N/A		53,078 R	N/A							
Electrical and Electronic	4,987	N/A		20,269	N/A							
Appliances	1,191	N/A		4,382	N/A							
Film and Coating	6,130	N/A		23,827 R	N/A							
Wire and Cable	2,877	N/A		12,086	N/A							
Monofilament	1,475	N/A		7,294	N/A							
Consumer	1,658	N/A		6,316 R	N/A							
Industrial/Machinery	3,585	N/A		14,902 R	N/A							
All Other End-Uses	5,892	N/A		20,252	N/A							

N.R.1 - Not Reported; Included in Total Domestic and All Other Uses.

N.R.2 - Not Reported; Included in All Other Uses.

* - Styrene Based Latexes Sales include some Canadian produced material.

J - Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

R = Revision

D = Disclosure

N/A = Not Available

(6) - Includes sales from imports.

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RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	787,756	679,343	16.0	3,086,895	2,800,104	10.2	774,614	715,236	8.3	3,011,241 R	2,890,113	4.2
Homopolymer Resins, Including Blending & Latex	729,021	621,523	17.3	2,858,404	2,561,355	11.6	713,009	652,750	9.2	2,766,588 R	2,637,642	4.9
Copolymer Resins, Including Blending & Latex	16,586	17,888	-7.3	68,517	71,193	-3.8	18,067	18,713	-3.5	69,191 R	78,485	-11.8
Dispersion Resins	42,149	39,932	5.6	159,974	167,556	-4.5	43,538	43,773	-0.5	175,462 R	173,986	0.8
Exports, Total	74,618	58,845	26.8	317,569	203,497	56.1						
Domestic, Total	713,138	620,498	14.9	2,769,326	2,596,607	6.7						
Calendering, Total	82,410	74,893	10.0	320,082	288,444	11.0						
Flooring	20,215	17,635	14.6	75,497	68,773	9.8						
Textile	10,079	9,208	9.5	37,742	38,545	-2.1						
All Other Calendering Uses	52,116	48,050	8.5	206,843	181,126	14.2						
Coating, Total	29,284	29,426	-0.5	108,800	126,731	-14.1						
Flooring	12,818	12,617	1.6	48,331	52,932	-8.7						
Textile and Paper Coating	8,326	8,512	-2.2	29,591	36,360	-18.6						
Protective Coatings	3,947	4,158	-5.1	15,178	18,182	-16.5						
Adhesives & All Other Coating Uses	4,193	4,139	1.3	15,700	19,257	-18.5						
Extrusion, Total	485,535	416,190	16.7	1,874,036	1,756,907	6.7						
Wire and Cable	34,085	30,241	12.7	137,668	132,061	4.2						
Film and Sheet, Packaging	27,296	27,706	-1.5	113,444	110,196	2.9						
Film and Sheet, Non-Packaging	3,122	3,426	-8.9	15,636	17,371	-10.0						
Siding, Siding Acc. & Mobile Home Skirting	75,464	61,130	23.4	283,150	252,378	12.2						
Rigid Pipe and Tubing (except fittings)	299,320	248,982	20.2	1,121,596	1,065,008	5.3						
All Other Extrusion Uses	46,248	44,705	3.5	202,542	179,893	12.6						
Molding, Total	46,742	46,008	1.6	182,208	186,499	-2.3						
Bottles	19,674	19,010	3.5	75,860	77,434	-2.0						
Fittings (Rigid Pipe and Tubing)	16,720	14,471	15.5	60,691	56,674	7.1						
All Other Molding Uses	10,348	12,527	-17.4	45,657	52,391	-12.9						
Paste Processes (except coating), Total	14,400	14,380	0.1	56,001	59,650	-6.1						
Plastisol Formulation	7,582	7,817	-3.0	30,372	32,033	-5.2						
All Other Paste Process Uses	6,818	6,563	3.9	25,629	27,617	-7.2						
Resellers & Compounders	28,854	25,602	12.7	119,712	111,486	7.4						
All Other Uses	25,913	13,999	85.1	108,487	66,890	62.2						

R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	14,583	15,163	-3.8	65,129	68,295	-4.6	16,963	16,975	-0.1	78,046	74,056	5.4
Exports, Total	4,903	5,489	-10.7	23,004	23,866	-3.6						
Domestic, Total	9,680	9,674	0.1	42,125	44,429	-5.2						
THERMOPLASTIC POLYESTER, TOTAL (6)	159,980	141,869	12.8	608,348	549,859	10.6	167,856	153,020	9.7	604,569	556,081	8.7
Exports, Total	27,369	24,701	10.8	113,040	88,509	27.7						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	132,611	117,168	13.2	495,308	461,350	7.4						
Domestic PET	N. R.	N. R.		N. R.	N. R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	89,653	82,904	8.1	338,020	304,170	11.1						
PET/PBT Resellers & Compounders	N.R. 4	N/A		N.R. 4	N/A							
All Other Thermoplastic Polyester	42,958	34,264	25.4	157,288	157,180	0.1						

(2) - The publishing of PVAC data has been suspended.

(3) - The publishing of PVOH data has been suspended.

(4) - Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R. 4 = Not Reported: Included in All Other Thermoplastic Polyester.

N.R. = Not Reported

D = Disclosure

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report-Resins ^{SPI}

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FOR THE MONTH AND PERIOD ENDED

MARCH 31, 1990

DATA FOR CALCULATING APPARENT CONSUMPTION OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: JUNE 14, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Millions of pounds, dry weight basis)(1)

CRS
MARCH 1990

RESIN KIND	MARCH				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	46.8	34.6	1.2	6.4	124.7 R	113.6 R	3.5	18.3
POLYESTER (UNSATURATED) RESINS, TOTAL	109.1	104.4	0.7	15.6	320.6	308.8	1.7	28.3
UREA RESINS, TOTAL **	127.4	129.7	2.2	3.8	368.3	370.8	5.2	9.8
MELAMINE RESINS, TOTAL **	14.7	14.4	0.4	1.2	43.8	39.1	1.2	3.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	252.7	249.9	3.7	9.0	740.7 R	734.3 R	10.7	24.5
THERMOSETTING RESINS, TOTAL	550.7	533.0	8.2	36.0	1,598.1 R	1,568.6 R	22.3	84.6
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	614.0	558.2	18.6	74.9	1,757.0 R	1,557.2 R	55.9	205.4
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	334.6	410.0	77.2	22.7	883.1	1,061.4	210.1	68.7
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	657.2	653.7	44.6	91.8	1,910.9	1,825.3 R	119.3	253.2
POLYPROPYLENE, TOTAL	704.9	573.5	4.4	155.7	2,040.9	1,665.1	15.5	457.8
ABS RESINS, TOTAL **								
(ACRYLONITRILE-BUTADIENE-STYRENE)	92.8	107.8	5.6	12.0	262.6	289.8	18.3	35.7
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	10.2	7.8	0.5	4.8	30.7	22.1	2.1	16.6
OTHER STYRENICS **	108.1	111.5	0.6	14.6	295.2 R	307.0 R	1.4	42.2
POLYSTYRENE RESINS, TOTAL	445.2	407.4	6.5	31.9	1,231.9	1,285.0	16.4	75.4
NYLON RESINS, TOTAL (6)	49.2	43.5	5.3	14.1	136.8 R	119.9	15.3	39.0
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	793.1	710.3	11.2	72.5	2,238.7	2,056.2	32.8	273.4
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS			N/A	N/A			N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	160.2	133.1	3.6	39.2	436.7	362.7	9.4	105.0
THERMOPLASTIC RESINS, TOTAL	3,969.5	3,716.8	178.1	534.2	11,224.5 R	10,551.7 R	496.5	1,572.4
GRAND TOTAL	4,520.2	4,249.8	186.3	570.2	12,822.6	12,118.3 R	518.8	1,657.0

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data Includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

Sources: Sales and Production - SPI Monthly Statistical Report
Imports - Bureau of the Census (IM 145)
Exports - Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

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